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NPTC/TSSG/RED-1808-69
18 September 1969

MEMORANDUM FOR THE RECORD

SUBJECT: High Precision Stereo Comparator Program

1. A meeting of the Stereo Comparator Coordinating Group was held on 15 September 1969 in the 5S-453 Conference Room. In attendance were representatives from: IEG/PHD, PSG/AID, PPBS, TSSG/RED, TSSG/SSD, TSSG/ESD, and TSSG/APSD.

2. The following items were discussed at the meeting:

a. The project monitor [redacted] on 9 and 10 September to review the progress on the project. Indications are that the project is progressing just about on schedule.

b. [redacted] TSSG/ESD was at the [redacted] plant from 8 to 11 September 1969 taking on-the-job training in maintenance of the comparator.

c. [redacted] project manager, visited [redacted] from 4 to 14 August 1969 to monitor the progress on the optical subcontract. [redacted] reports that the optics are still on schedule [redacted] is going through the slow tedious process of alignment and testing. They are taking extreme care with this phase of the work and three tests are made on all alignments. The image wander for the focus range of are made on all alignments. The image wander for the focus range of the objective lens has been tested and found to be less than .15 u over the 3 mm. range. The specifications call for the wander to be less than .25 u.

[redacted] still expects to have the optical system ready for [redacted] acceptance tests by 15 December 1969.

d. [redacted] was to have the correlators ready for acceptance testing on 8 September 1969. They have encountered difficulties and requested the test be delayed until 6 October 1969. [redacted] reports that they are having trouble separating the signal from the noise plus having to replace four logic boards.

e. [redacted] needs more time in interfacing the computer to the system and has requested [redacted] delay the computer programming until the 1st of November. [redacted] has about six weeks work, so this should be completed by mid December. This will allow adequate time to check it out prior to 15 February 1970 when the total system is assembled.

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25X1A f. [redacted] discussed the recommended spare parts list with [redacted] personnel [redacted] provided a list of long lead time items.

25X1A This includes glass platens (18 months), optical filters (6 months), French motors (6 months), etc [redacted] suggested that we try split funding

25X1A the spare parts over several years. They also pointed out where we might order items like the glass platens now, but not have to pay for them until a year or 18 months later.

25X1A g. [redacted] informed us that they are not exercising their option to have maintenance people trained [redacted] on the [redacted] Computer and suggested that NPIC might wish to take up this option without cost.

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25X1 h. Arrangements have been made and cover orders taken care of to train two NPIC people [redacted] on programming the [redacted] Computer. This training will take place the last two weeks of October.

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25X1A i. [redacted] requested information on the black box that Logistics is building to control the air flow and temperature control for the

25X1A clean room [redacted] stated that it will be completed by 1 October and it will be held at the contractors [redacted] to inspect. It will

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25X1A then be sent [redacted] for checkout with their system.

25X1A j. [redacted] will visit NPIC either the week of 6 or 13 October 1969 to discuss math model and computer plans with AID, APSD, and PHD.

25X1A 3. [redacted] of TSSG/SSD gave a briefing on the progress of the Clean Room and Site Preparation for the Stereo Comparator. GSA awarded a contract in mid September. The site should be ready in adequate time for the stereo comparator installation.

25X1A 4. [redacted] talked about plans for testing and evaluating the stereo comparator after it is installed in [redacted]

25X1A 5. [redacted] PSG/AID says he hopes to have the data input format for stereo programs worked out before [redacted] visit in October.

25X1A 6. [redacted] also stated that we may have to have separate teletypes for the Central Computer and the [redacted] Computer. [redacted] stated this would have to be decided in a hurry because it influenced the heat problem in the clean room.

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